

What is claimed is:

1. A data display system comprising:

acquiring means for acquiring, from a basic data sheet which can store a plurality of first-class record including, as items, at least one first-class identification code which can be easily or generally understood by a reader or an operator in a list state, items of the first-class identification code;

conversion means for converting the acquired first-class identification code into a second-class identification code different from the first-class identification code; and

display means for acquiring, from a data server in which a plurality of second-class records including items corresponding to the items of the first-class identification code and a plurality of items related to the items such that the second-class identification code is given to the second-class records, first specific item information of the second-class records identified by the second identification code obtained by the conversion means to display the specific item information.

2. A data display system according to claim 1, wherein

the second conversion means converts a first-class identification code having a high priority into the second-class identification code when a specific first-class record on the basic data sheet include a plurality of items of the first-class identification code having different priorities, and

the display means displays first specific item information of a second-class record corresponding to the first-class identification code having a high priority on the basis of the converted second-class identification code.

3. A data display system according to claim 2, comprising

identification code selection means for designating selection of any one of the plurality of items of the first identification code,

wherein the display means performs switching to the first specific item information of the second-class record corresponding to the selected item of the first-class identification code depending on the designation of the identification code selection means.

4. A data display system according to claim 1, comprising:

display item input means for inputting that an item to be displayed of

the second-class record is second specific item information different from the specific item information,

wherein the display means

when the second specific item information is input from the display

5 item input means, adds an item selection tag to the second identification code, requests the second specific item information different from the first specific item information of the second record corresponding to the item selection tag from the data server, and displays the second specific item information.

10 5. A data display system according to claim 1, comprising record selection moving means for, when the basic data sheet includes a plurality of first-class records, moving the record to a first-class record of a record displayed on the display means at present to acquire the item of the first-class identification code of the record and for transmitting
15 the item to the conversion means.

6. A data display system according to claim 5, comprising display selection memory means for storing that one of the first specific item information of the second-class record and the second specific item information different from the first specific item information is
20 selectively stored,

wherein, when the display of the second specific item information is stored in the display selection memory means, the display means adds a specific item selection tag to the second-class identification code to request the data server to read the second-class record, and displays the second
25 specific item information of the second-class record returned from the data server.

7. A data display system according to claim 1, comprising: evaluation item memory means for acquiring a plurality of evaluation data from an evaluation data sheet in which evaluation value data related to at least one of a plurality of first-class records is stored in a
30 format different from that of the first-class record on the basic data sheet, and for storing the plurality of evaluation value data;

evaluation item selection means for displaying the plurality of evaluation value data stored in the evaluation item memory means and for
35 making it possible to select one from these evaluation value data; and

evaluation item memory means for outputting the evaluation value data to an evaluation item of the first-class record on the basic data sheet to memory the evaluation value data on the basic data sheet when one of the evaluation value data is selected.

5 8. A data display system according to claim 1, comprising
evaluation item addition setting means for selecting specific information from specific item information of the first-class or second-class record displayed by the display means, temporarily storing the specific information, adding the specific information to a position corresponding to
10 an evaluation item of the basic data sheet, and additionally storing the specific information as evaluation item data on the evaluation data sheet.

9. A data display system according to claim 7, wherein
the evaluation item memory means stores evaluation values expressed by character strings or words in a natural language which can be
15 easily or generally understood by a reader or an operator set in evaluation items on the evaluation data sheet and a plurality of simple codes corresponding to the evaluation values; and

the evaluation item selection means displays the evaluation value set in evaluation item data, and the evaluation item memory means transmits a
20 simple code corresponding to the evaluation value set in the evaluation item data to the item of the first-class record on the basic data sheet.

10. A data map forming system comprising:

a basic data sheet which can store a plurality of first-class records including a plurality of different items in a list state;

25 first evaluation item listing setting means for totalizing values of first specific items constituted by numeral values of a plurality of first-class records on the basic data sheet or values of first specific items and arranging the values and first simple codes corresponding to the values in a predetermined arrangement order in such a state that overlapping values of
30 the values are removed to perform listing setting;

second evaluation item listing setting means for totalizing values of second specific items of the plurality of first-class records on the basic data sheet and arranging the values and second simple codes corresponding to the values in a predetermined arrangement order in such a state that
35 overlapping values of the values are removed to perform listing setting;

first-classifying means for classifying the plurality of first-class records by the first simple codes corresponding to the values set by the first evaluation item listing setting means on the basis of the values of the first specific items of the first-class records;

5 second classifying means for classifying the plurality of first-class records by the second simple codes corresponding to the values set by the second evaluation item listing setting means on the basis of the values of the second specific items of the first-class records;

10 rearrangement means for rearranging the plurality of first-class records while giving priority to the first simple codes given by the first-classifying means and rearranging the plurality of first-class records by the second simple codes given by the second classifying means;

a map sheet different from the basic data sheet;

15 second simple code parallel arrangement means for arranging the second simple codes listed by the second evaluation item listing setting means on the map sheet in an order of a list on the right side in the horizontal direction in such a state that an interval is opened in a vertical column on at least the left side;

20 specific item mapping means for acquiring display specific items, the first simple codes, and the second simple codes from the plurality of first-class records in the order of the first-class records rearranged by the first simple codes, determining vertical direction positions on the map sheet means by the first simple codes and horizontal direction positions on the map sheet by the second simple codes, arranging the display specific items at cell positions where the vertical direction positions and the horizontal

25 direction positions cross, and arranging the first simple codes on the left column opened by the second simple code parallel arrangement means; and output means for displaying or printing a matrix-like map sheet formed by the specific item mapping means or performing file outputting.

30 11. A data map forming system according to claim 10, wherein

at least of the first and the second evaluation item listing means equally divides a value between the maximum value and the minimum value of numeral values corresponding to specific items, which can be treated as numeral values, of the first-class records in a predetermined

35 range and lists equally divided values.

12. A data map forming system according to claim 10, wherein
at least one of the first and the second evaluation item listing means
totalizes frequencies of the specific items of the plurality of first-class
records on the basic data sheet, rearranges the values in the order of
5 frequency, and lists the values.

13. A data map forming system according to claim 10, comprising:
first evaluation item selection means for acquiring a plurality of list
items set by the first evaluation item listing setting means to make it
possible to select one of the list items;

10 second evaluation item selection means for acquiring a plurality of
list items set by a second evaluation item listing setting means to make it
possible to select one of the list items; and

on-map moving means for moving a display position to a crossing
point between the first/second items on a map sheet by the first evaluation
15 item selection means or the second evaluation item selection means on the
basis of the selected item.

14. A data map forming system according to claim 10, wherein
the display specific items of the first-class records arranged on the
map sheet include a first-class identification code which can be easily or
20 generally understood by a reader or an operator on at least the basic data
sheet; and comprising:

acquiring means for acquiring an item of the first-class identification
code from the display specific items;

25 conversion means for converting the acquired item of the first-class
identification code into a second-class identification code different from the
first-class identification code; and

display means for acquiring first specific item information of a
second-class record identified by the second-class identification code
obtained by the conversion means from a data server in which a plurality of
30 second-class records including items corresponding to the items of the first-
class identification codes and a plurality of items related to the items of the
first-class identification codes are stored such that second-class
identification codes are given to the second-class records, and displaying
the specific item information.

35 15. A data map forming system according to claim 14, wherein

the display means comprises:

a first evaluation item selection unit for acquiring a plurality of list items set by the first evaluation item listing setting means to make it possible to select one of the list items;

5 a second evaluation item selection unit for acquiring a plurality of list items set by the second evaluation item listing setting means to make it possible to select one of the list items;

an on-map moving selection unit for moving a display position to a crossing point between the first and second items on a map sheet by the
10 first evaluation item selection unit or the second evaluation item selection unit on the basis of the selected item; and

an item acquiring unit for acquiring an item of the first-class identification code from the display specific items at the position selected by the on-map moving selection unit.

15 16. A data map forming system according to claim 10, wherein

the second simple code parallel arrangement means comprises a second display conversion unit for displaying a value corresponding to the second simple code set by the second evaluation item listing setting means, and

20 the specific item mapping means comprises a first display conversion unit for displaying a value set by the first evaluation item listing setting means corresponding to the first simple codes arranged on a left column on the map sheet.

17. A data map forming method comprising:

25 extracting a plurality of values of predetermined references related to a plurality of first-class records on a basic data sheet in which a plurality of first-class records including a plurality of different items can be stored in a list state to list the values as first simple codes in a predetermined arrangement order;

30 extracting a plurality of values of predetermined references having a viewpoint different from the viewpoint of the first simple codes to list the values as second simple codes in a predetermined arrangement order;

classifying the first-class records by the first simple codes corresponding to the values on the basis of numeral values of the plurality
35 of first-class records on the basic data sheet or first specific items

constituted by character strings;

classifying the first-class records by second simple codes corresponding to the values on the basis of values of second specific items of the plurality of first-class records on the basic data sheet;

5 rearranging the plurality of first-class records on the basic data sheet by the predetermined references while giving priority to the first simple codes and rearranging the second simple codes;

10 arranging the second simple codes on a map sheet in an order of a list on the right side in the horizontal direction in such a state that an interval is opened in a vertical column on at least the left side;

sequentially acquiring the specific items of the first-class records, the first simple codes, and the second simple codes in the order of the first-class records rearranged by the first simple codes;

15 determining vertical direction positions on the map sheet by the first simple codes and horizontal direction positions on the map sheet by the second simple codes in the acquisition order;

20 arranging the specific items at positions where the vertical direction positions and the horizontal direction positions cross, and arranging the first simple codes on the left column opened by second simple code parallel arrangement means; and

forming a matrix-like map sheet.

18. A data display method comprising:

25 acquiring, from a basic data sheet which can store a plurality of first-class records including, as items, at least one first-class identification code which can be easily or generally understood by a reader or an operator in a list state, items of the first-class identification code;

converting the acquired first-class identification code into a second-class identification code different from the first-class identification code; and

30 acquiring, from a data server in which a plurality of second-class records including items corresponding to the items of the first-class identification code and a plurality of items related to the items such that the second-class identification code is given to the second-class records, first specific item information of the second-class records identified by the
35 second identification code obtained by the conversion means; and

displaying the specific item information.

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